

Datasheet for ABIN7556313
BPMS Protein (AA 1-197) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | BPMS |
| Protein Characteristics: | AA 1-197 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BPMS protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Bpms Protein expressed in mammalian cells. |
| Sequence: | MNGGGKAEKE NTPSEANLQE EEVRTLFVSG LPLDIKPREL YLLFRPFKGY EGSLIKLTSK QPVGFVSFDS RSEAEAAKNA LNGIRFDPEI PQTLRLEFAK ANTKMAKNKL VGTPNPSTPL PNTVPQFIAR EPYELTVPAL YPSSPEVWAP YPLYPAELAP ALPPPAFTY PASLHAQMRW IPPSEATSQG WKSQRFC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and |

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
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| Grade: | custom-made |
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Target Details

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| Target: | RBPM5 |
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| Alternative Name: | Rbpms (RBPM5 Products) |
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| Background: | <p>RNA-binding protein with multiple splicing (RBP-MS) (RBPM5) (Heart and RRM expressed sequence) (Hermes),FUNCTION: RNA binding protein that mediates the regulation of pre-mRNA alternative splicing (AS) (By similarity). Acts either as activator (FLNB, HSPG2, LIPA1, MYOCD, PTPRF and PPFIBP1) or repressor (TPM1, ACTN1, ITGA7, PIEZO1, LSM14B, MBNL1 and MBML2) of splicing events on specific pre-mRNA targets. Together with RNA binding proteins RBFOX2 and MBNL1/2, activates a splicing program associated with differentiated contractile vascular smooth muscle cells (SMC) by regulating AS of numerous pre-mRNA involved in actin cytoskeleton and focal adhesion machineries, suggesting a role in promoting a cell differentiated state (By similarity). Binds to introns, exons and 3'-UTR associated with tandem CAC trinucleotide motifs separated by a variable spacer region, at a minimum as a dimer. The minimal length of RNA required for RBPM5-binding tandem CAC motifs is 15 nt, with spacing ranging from 1 to 9 nt. Can also bind to CA dinucleotide repeats (By similarity). Mediates repression of TPM1 exon 3 by binding to CAC tandem repeats in the flanking intronic regions, followed by higher-order oligomerization and heterotypic interactions with other splicing regulators including MBNL1 and RBFOX2, which prevents assembly of ATP-dependent splicing complexes (By similarity). {ECO:0000250 UniProtKB:A0A8I6G705, ECO:0000250 UniProtKB:Q93062}.</p> |
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Target Details

Molecular Weight: 21.8 kDa

UniProt: [Q9WVB0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months